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PATENT APPLICATION

ATTORNEY DOCKET NO. 10018707-3

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): David Michael Anderson

Serial No.: 10/661,025

Examiner: Binh C. Tat

Filing Date: September 11, 2003

Group Art Unit: 2825

Title: Method and System for Reproduction in a Genetic Optimization Process

COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Sir:

This is in response to the office action mailed on January 10, 2005.

AMENDMENTS

Please amend the claims as follows:

Claim 1 (original): A method for reproduction as part of a computer-implemented optimization process based on a genetic model, comprising the steps of:

- (a) generating a set of mating combinations, each mating combination comprising a first chromosome and a second chromosome selected from a set of chromosomes, each chromosome comprising at least one gene;
- (b) assigning a composite score to each mating combination; and
- (c) selecting a particular mating combination using a biased random value, the biased random value favoring mating combinations having a favorable composite score, the first and second chromosomes of the particular mating combination

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